

VAPB Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20627c

Product Information

Application	WB, E
Primary Accession	O95292
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB49509
Calculated MW	27228

Additional Information

Gene ID	9217
Other Names	Vesicle-associated membrane protein-associated protein B/C, VAMP-B/VAMP-C, VAMP-associated protein B/C, VAP-B/VAP-C, VAPB
Target/Specificity	This VAPB antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 126-139 amino acids from the Central region of human VAPB.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	VAPB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VAPB (HGNC:12649)
Function	Endoplasmic reticulum (ER)-anchored protein that mediates the formation of contact sites between the ER and endosomes via interaction with FFAT motif-containing proteins such as STARD3 or WDR44 (PubMed: 32344433 , PubMed: 33124732). Interacts with STARD3 in a FFAT motif phosphorylation dependent manner (PubMed: 33124732). Via interaction with WDR44

participates in neosynthesized protein export (PubMed:[32344433](#)). Participates in the endoplasmic reticulum unfolded protein response (UPR) by inducing ERN1/IRE1 activity (PubMed:[16891305](#), PubMed:[20940299](#)). Involved in cellular calcium homeostasis regulation (PubMed:[22131369](#)).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:Q9P0L0}. Note=Present in mitochondria-associated membranes that are endoplasmic reticulum membrane regions closely apposed to the outer mitochondrial membrane

Tissue Location

Ubiquitous. Isoform 1 predominates.

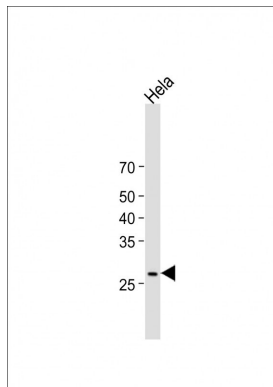
Background

Participates in the endoplasmic reticulum unfolded protein response (UPR) by inducing ERN1/IRE1 activity. Involved in cellular calcium homeostasis regulation.

References

Nishimura Y.,et al.Biochem. Biophys. Res. Commun. 254:21-26(1999).
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Deloukas P.,et al.Nature 414:865-871(2001).
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).

Images



All lanes : Anti-VAPB Antibody (Center) at 1:1000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 27 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.